MATHEMATICS OF THE USSR-SBORNIK

Volume 66, Number 1, 1990

I. M. Gel'fand and M. I. Graev, *Hypergeometric functions associated with the Grassmannian $G_{3,6}$* 1
D. V. Anosov, *On infinite curves on the Klein bottle* 41
S. K. Vodop'yanov, *Potential theory on homogeneous groups* 59
A. G. Korolev, *On boundedness of generalized solutions of elliptic differential equations with nonpower nonlinearities* 83
B. P. Allakhverdiev and G. Sh. Guseĭnov, *On the spectral theory of dissipative difference operators of second order* 107
R. P. Ivanov, *Measurable strategies in differential games* 127
M. I. Kuznetsov, *Classification of simple graded Lie algebras with nonsemisimple component L_0* 145
E. I. Zel'manov, *On some problems of group theory and Lie algebras* 159
A. S. Dzhumadil'daev, *Deformations of the Lie algebras $W_n(\mathbf{m})$* 169
A. N. Rudakov, *Integer-valued bilinear forms and vector bundles* 189
Yu. A. Bakhturin, *Lie superalgebras with bounded degrees of irreducible representations* 199
R. I. Grigorchuk, *On the Hilbert-Poincaré series of graded algebras associated with groups* 211
V. V. Nikulin, *Del Pezzo surfaces with log-terminal singularities. I* 231
A. N. Parshin, *On the application of ramified coverings in the theory of Diophantine equations* 249
V. A. Iskovskikh, *Double projection from a line on Fano threefolds of the first kind* 265
F. A. Bogomolov, *Brauer groups of fields of invariants of algebraic groups* 285
A. L. Yakymiv, *On the number of A-permutations* 301

Volume 66, Number 2, 1990

I. Kh. Musikaev and M. A. Taĭtslin, *On dynamic theories of free algebras* 313
A. Ch. Chigogidze, *n-shapes and n-cohomotopy groups of compacta* 329
V.-B. K. Rogov, *The Fourier-Mellin-Whittaker transform on horospheres of homogeneous pseudo-Riemannian symmetric spaces of rank 1* 343

O. V. Troshkin, *A two-dimensional flow problem for steady-state Euler equations* 363
V. A. Oskolkov, *On the completeness and quasipower basis property of systems* $\{z^n f(\lambda_n z)\}$ 383
V. M. Klimkin, *Uniform boundedness of a family of nonadditive set functions* 393
I. F. Krasichkov-Ternovskiĭ, *An interpretation of the Beurling-Malliavin theorem on the radius of completeness* 405
V. V. Makeev, *The Knaster problem and almost spherical sections* 431
G. Berishvili, *Symplectic structure on a Grassmannian fibration* 439
V. E. Voskresenskiĭ, *Local volume computations in the Siegel-Tamagawa formula* 447
A. S. Dzhumadil'daev, *Cohomology of truncated coinduced representations of Lie algebras of positive characteristic* 461
B. V. Kapitonov, *On exponential decay as* $t \to \infty$ *of solutions of an exterior boundary value problem for the Maxwell system* 475
E. L. Korotyaev, *On scattering in an external, homogeneous, time-periodic magnetic field* 499
S. Z. Levendorskiĭ, *On types of degenerate elliptic operators* 523
V. N. Obraztsov, *An imbedding theorem for groups and its corollaries* 541
A. A. Premet, *Regular Cartan subalgebras and nilpotent elements in restricted Lie algebras* 555